

CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A method of human authentication in a system comprising a computer and a mouse, said method comprising a: detecting mouse micromotion data movements of a user by gathering a plurality of samples per mouse click; b: obtaining at least one metric of mouse movement information characterizing the user from the mouse micromotion data; c: comparing the metric against a database; and d: authenticating the user.
2. (Original) A method according to claim 1 wherein the method provides information regarding the user's class identity.
3. (Currently Amended) A method according to claim 1 wherein the step of detecting the mouse micromotion data movements of the user is executed without the user's awareness.
4. (Currently Amended) A method according to claim 1 wherein the database comprises an aggregated representation of previously detected mouse micromotion data movement information.
5. (Currently Amended) A method according to claim 1 wherein the step of obtaining the at least one metric of mouse movement information comprises obtaining a plurality of metrics of mouse movement information and the comparison between the plurality of metrics of mouse movement information and the database uses at least one eigenvector derived from the plurality of metrics of mouse movement information.
6. (Currently Amended) A method according to claim 1 wherein the user's mouse movements micromotion data of the user are in response to a display on the computer's screen.

7. (Currently Amended) An information processing system for identifying its users, the system comprising: an arrangement of sensors for detecting [[a]] user[['s]] mouse micromotion data by gathering a plurality of samples per mouse click movements; a memory unit for storing the detected user[['s]] mouse micromotion data movements; a computational element for obtaining at least one metric from the user[['s]] mouse movements from the mouse micromotion data and manipulating the metric; and a database.

8. (Original) A system according to claim 7 wherein a target pattern is used to elicit information known only to an authorized user.

9. (Currently Amended) A system according to claim 8 wherein a target pattern that changes from a session to session is used to elicit the user[['s]] mouse micromotion data movements.

10. (Original) A system according to claim 7 wherein said information processing system is distributed over a plurality of networked devices.

11. (Original) A system according to claim 7 is used for online commercial transactions.

12. (Original) A system according to claim 7 is used for online voting.

13. (Original) A system according to claim 7 is used for network access.

14. (Original) A system according to claim 7 is used to authorize the release of sensitive personal records.

15. (Original) A system according to claim 7 wherein said information processing system is a single computer.